

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A high-pressure discharge lamp comprising:

a burner having a discharge space,

two electrodes extending in the discharge space,

a gas filling in the discharge space that contains at least an inert gas and a metal halide mixture, and

an outer bulb having two ends, the burner being attached, at least at one end, to the outer bulb, wherein the outer bulb comprises at least one light-absorbing means and at least one interference filter, and an interference filter is arranged in at least a part of the burner.

2. (Previously Presented) The high-pressure discharge lamp as

claimed in claim 1, wherein the interference filter is arranged on an outer surface of the burner.

3. (Previously Presented) The high-pressure discharge lamp as claimed in claim 1, the light-absorbing means is provided on an inner surface of the outer bulb, and between an outer surface of the outer bulb and the at least one interference filter.

4. (Previously Presented) The high-pressure discharge lamp as claimed in claim 1, wherein at least at surfaces of areas that are used to attach the burner to the outer bulb, no light-absorbing means and/or interference filters are arranged.

5. (Previously Presented) The high-pressure discharge lamp as claimed in claim 1, wherein light transmittance of the interference filter and of the at least one interference filter, with regard to a wavelength range of 600 to 800 nm, is > 90% for both.

6. (Previously Presented) The high-pressure discharge lamp as claimed in claim 1, wherein light transmittance of the light-

absorbing means with regard to a wavelength range of 600 to 800 nm ranges between 70 and substantially 100%.

7. (Previously Presented) The high-pressure discharge lamp as claimed in claim 1, wherein a thickness of at least one of the interference filter and the at least one interference filter ranges between 800 and 2800 nm.

8. (Previously Presented) The high-pressure discharge lamp as claimed in claim 1, wherein at least one of the interference filter and the least one interference filter is composed of a plurality of layers including a first layer having a higher refractive index that alternates with a second layer having a lower refractive index, the second layer having the lower refractive index including SiO₂ and the first layer being composed of a material having a refractive index higher than SiO₂.

9. (Previously Presented) The high-pressure discharge lamp as claimed in claim 8, wherein the first layer is composed of a material selected from a group consisting of titanium oxide,

tantalum oxide, niobium oxide, hafnium oxide, silicon nitride, zirconium oxide ZrO_2 , or a mixture thereof.

10. (Previously Presented) The high-pressure discharge lamp as claimed in claim 1, wherein a thickness of the light-absorbing means ranges between 5 nm and 10,000 nm.

11. (Previously Presented) The high-pressure discharge lamp as claimed in claim 1, wherein the light-absorbing means contains inorganic pigments which absorb part of the visible light and have an average diameter below 100 nm.

12. (Previously Presented) The high-pressure discharge lamp as claimed in claim 11, wherein the inorganic pigment is composed of a material selected from a group consisting of iron oxide, zinc-iron-oxide ($Zn-Fe_2O_4$ or $ZnO-ZnFe_2O_4$), phosphor-doped iron oxide, zinc-iron-chromium, bismuth-vanadate.

13. (Previously Presented) A light system for motorcars comprising at least the high-pressure discharge lamp as claimed in

claim 1.

14. (Previously Presented) The high-pressure discharge lamp as claimed in claim 11, wherein the inorganic pigment includes at least one of pucherite bismuth-vanadate, vanadium oxide, zirconium-praseodymium-silicate, titanium-antimony-chromium, nickel-antimony-titanium, silver, and mixtures thereof.

15. (Previously Presented) A discharge lamp comprising:
a burner having a discharge space;
electrodes extending in the discharge space;
a gas filling in the discharge space;
an outer bulb surrounding the burner;
a light-absorbing coating located on the outer bulb;
a first interference filter located on the light-absorbing coating; and
a second interference filter located in at least a part of the burner.

16. (Previously Presented) The discharge lamp of claim 15,

further comprising a further light-absorbing coating located on an inside surface of the outer bulb, wherein the light-absorbing coating is located on an outside surface of the outer bulb.

17. (Previously Presented) The discharge lamp of claim 15, wherein surfaces that are used to attach the burner to the outer bulb are devoid of at least one of the light-absorbing coating, the first interference filter, and the second interference filter.

18. (Previously Presented) The discharge lamp of claim 15, wherein light transmittance of at least one of the first interference filter and the second interference filter in a wavelength range of 600 to 800 nm, is greater than 90%.

19. (Previously Presented) The discharge lamp of claim 15, wherein light transmittance of the light-absorbing coating with regard to a wavelength range of 600 to 800 nm ranges between 70 and substantially 100%.

20. (Previously Presented) The discharge lamp of claim 15,

wherein a thickness of at least one of the first interference filter and the second interference filter ranges between 800 and 2800 nm.

21. (Previously Presented) The discharge lamp of claim 15, wherein at least one of the first interference filter and the second interference filter includes a plurality of alternating first layer and second layer, wherein a first refractive index of the first layer is higher than a second refractive index of the second layer.

22. (Previously Presented) The discharge lamp of claim 21, wherein the second layer includes SiO₂ and the first layer includes at least one of titanium oxide, tantalum oxide, niobium oxide, hafnium oxide, silicon nitride, zirconium oxide ZrO₂, and a mixture thereof.

23. (Previously Presented) The discharge lamp of claim 15, wherein a thickness of the light-absorbing coating ranges between 5 nm and 10,000 nm.

24. (Previously Presented) The discharge lamp of claim 15, wherein the light-absorbing coating includes inorganic pigments which absorb a portion of visible light and have an average diameter below 100 nm.

25. (Previously Presented) A discharge lamp comprising:
a burner having a discharge space;
electrodes extending in the discharge space;
a gas filling in the discharge space;
an outer bulb surrounding the burner;
a first light-absorbing coating located on an outer surface of the outer bulb;
an interference filter located on the first light-absorbing coating; and
a second light-absorbing coating located on an inner surface of the outer bulb.